# Solving Quadratics by Factorising

a)
$$(x + 3)(x + 5) = 0$$

b)
$$x^2 + 5x + 4 = 0$$

c)
$$x^2 + 3x - 10 = 0$$

d)
$$x^2 - 7x - 30 = 0$$

e)
$$x^2 - 8x + 7 = 0$$

f)
$$x^2 - 64 = 0$$

g)
$$2x^2 + 7x + 3 = 0$$

h)
$$3x^2 + 14x - 5 = 0$$

i)
$$2x^2 + 8x + 6 = 0$$

j)
$$x^2 - 3x - 6 = 4$$

k)
$$x^2 + 3x + 10 = 4 - 2x$$

l)
$$3x^2 - 4x + 2 = 2x^2 + x - 4$$

Answers

## Solving Quadratics by Factorising
### Answer Key

a)
$$x = -3, x = -5$$

b)
$$x = -4, x = -1$$

c)
$$x = -5, x = 2$$

d)
$$x = 10, x = -3$$

e)
$$x = 7, x = 1$$

f)
$$x = 8, x = -8$$

g)
$$x = -0.5, x = -3$$

h)
$$x = -5, x = 1/3$$

i)
$$x = -1, x = -3$$

j)
$$x = -2, x = 5$$

k)
$$x = -2, x = -3$$

l)
$$x = 2, x = 3$$